



Product Information

Cat. No. H-163

***m*-HYDROXYCOCAINE**

Metabolite of cocaine.

Mol. Formula: C₁₇H₂₁NO₅

Mol. Wt.: 319.36 (anhyd.)

m.p.: 125-127°C

CAS Registry No.: 71387-58-1

Chemical Name: [1R-(*exo,exo*)]-3-[(3-Hydroxybenzoyl)oxy]-8-methyl-8-azabicyclo [3.2.1]octane-2-carboxylic acid methyl ester

Physical Properties: White hygroscopic solid.

Caution: The pharmacology of this compound is incompletely characterized and due care should be exercised in its use. Avoid skin contact, ingestion or inhalation.

Storage: Store desiccated at -20°C.

Solubility: Soluble in methanol (>30 mg/ml); insoluble in water.

Disposal: Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material.

References:

1. Wantanabe, K., Hida, Y., Matsunaga, T., Yamamoto, I. Yoshimura, H. "Formation of *p*-hydroxycocaine from cocaine by hepatic microsomes of animals and its pharmacological effects in mice." *Biol. Pharm. Bull.* **16**, 1041-1043 (1993).
2. Zhang, J.Y., Foltz, R.L. "Cocaine metabolism in man: Identification of four previously unreported cocaine metabolites in human urine." *J. Anal. Toxicol.* **14**, 201-205 (1990).

CONTROLLED SUBSTANCE - DEA LICENSE REQUIRED (II)

Rev. 8/95

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